Claims

1. An absorbent product with a liquid-impermeable surface sheet positioned on the upper side, a liquid-impermeable back sheet positioned on the lower side, and an absorber containing super absorbent polymer to absorb discharged liquid positioned between the surface sheet and the back sheet,

wherein a flow passage is provided to allow a part or all of the discharged liquid supplied to the surface sheet to move to a side of the back sheet.

2. The absorbent product according to claim 1, wherein the flow passage is provided in at least one of the following portions of the absorber; on both front and back ends, on both right and left ends, and in the center.

3. The absorbent product according to claim 1 or 2, wherein the surface sheet is composed of a single-layer synthetic resin film.

4. The absorbent product according to claim 1 or 2, wherein the surface sheet is composed of a laminate of a synthetic resin film and a nonwoven fabric provided on a

surface of the upper side of the synthetic resin film.

5. The absorbent product according to claim 3 or 4, wherein the synthetic resin film has concave and convex portions that constitute the flow passage.

6. The absorbent product according to any one of claims 1 to 5, wherein the surface sheet is positioned in such a way that a portion of the surface of the upper side of the absorber is exposed.

7. The absorbent product according to any one of claims 1 to 6, wherein the surface sheet contains a liquid-permeable portion.

8. The absorbent product according to any one of claims 1 to 7, wherein a liquid-permeable guide sheet with the flow passage is laminated to at least a portion of the surface of the upper side of the surface sheet.

9. The absorbent product according to claim 8, wherein the guide sheet covers at least a portion of the lateral sides of the absorber directly or over the surface sheet.

10. The absorbent product according to claim 8 or 9, wherein the guide sheet has concave and convex portions that constitute the flow passage and has apertures in some of or in all of the convex portions.

11. The absorbent product according to any one of claims 1 to 10, wherein a skin-contact sheet composed of liquid-permeable nonwoven fabric is laminated to at least a portion of the surface of the upper side of either the surface sheet or the guide sheet.

12. The absorbent product according to any one of claims 1 to 11, wherein the back sheet is composed of a synthetic resin film.

13. The absorbent product according to claim 12, wherein the synthetic resin film that constitutes the back sheet has air-permeability.

14. The absorbent product according to any one of claims 1 to 11, wherein the back sheet is composed of a laminate of a synthetic resin film and a nonwoven fabric provided on the surface of the lower side of the synthetic resin film.

15. The absorbent product according to claim 14, wherein both the synthetic resin film and the nonwoven fabric that constitute the back sheet have air-permeability.

16. The absorbent product according to claim 14 or 15, wherein the synthetic resin film that constitutes the back sheet has concave and convex portions and has apertures in some of or in all of the convex portions, and the nonwoven fabric that constitutes the back sheet is a water-resistant laminate of two layers or more, containing one layer or more than one layer of a spunbond nonwoven fabric and one layer or more than one layers of meltblown nonwoven fabric.

17. The absorbent product according to any one of claims 12 to 16, wherein the synthetic resin film that constitutes the back sheet has concave and convex portions constituting a liquid trap portion on the surface of the upper side thereof.

18. The absorbent product according to any one of claims 1 to 17, wherein the absorber is composed of a mixture of super absorbent polymer and fluffy pulp wrapped with a liquid-permeable core-wrapping sheet.

19. The absorbent product according to any one of claims 1 to 17, wherein the absorber has two layers of liquid-permeable nonwoven fabrics and super absorbent polymer inserted in-between.

20. The absorbent product according to any one of claims 1 to 17, wherein the absorber is constructed by having super absorbent polymer supported by means of coating on a liquid-permeable nonwoven fabric.

21. The absorbent product according to any one of claims 1 to 20, wherein a content of the super absorbent polymer in the absorber is 50wt% or more.

22. The absorbent product according to any one of claims 1 to 21,

wherein an absorbent product main body that can form an internal space to contain a wearer's objective region when worn;

housing for an absorber unit adjacent to the absorbent product main body, continued to the internal space, and containing the back sheet on an inner wall thereof; and

an absorber unit structured by combining at least the

surface sheet and the absorber, being received removably by the housing for the absorber unit are provided.

23. The absorbent product according to claim 22, wherein the guide sheet is included at least in a portion between the absorbent product main body and the housing for the absorber unit.

24. The absorbent product according to claim 22 or 23, wherein a liquid-permeable skin-contact sheet is included at least in a portion between the absorbent product main body and the housing for the absorber unit.

25. The absorbent product according to any one of claims 22 to 24, wherein laminated plural number of the absorber units are included in the housing for the absorber unit.

26. The absorbent product according to any one of claims 1 to 21,

wherein an absorbent product main body that can form an internal space to contain a wearer's objective region when worn,

housing for an absorber adjacent to the absorbent product main body, continued to the internal space, and

containing the back sheet on an inner wall thereof, and

an absorber received removably by the housing for the absorber are provided; and,

furthermore, the surface sheet is included at least in a portion between the absorbent product main body and the housing for the absorber.

27. The absorbent product according to claim 26, wherein the guide sheet is laminated on the surface of the upper side of the surface sheet.

28. The absorbent product according to claim 26 or 27, wherein a liquid-permeable skin-contact sheet is provided at least on a portion of the surface of the upper side of the surface sheet or the guide sheet.

29. The absorbent product according to any one of claims 26 to 28, wherein laminated plural number of absorbers are included in the housing for the absorber.

30. The absorbent product according to any one of claims 1 to 29, wherein a urine-disposing portion extending from the center to the front section and a feces-disposing portion extending from the center to the back section are provided

and the surface sheet is provided only at the urine-disposing portion.

31. The absorbent product according to claim 30, wherein a liquid-permeable back-flow preventing sheet is included inside and/or on the upper surface of the absorber, at least at the feces-disposing portion.

32. The absorbent product according to any one of claims 1 to 31, wherein a re-wet amount measured under a load of 0.1psi, 5 minutes after the beginning of the absorption to allow a sodium chloride solution of 0.9wt% in the amount equivalent to 50% of the absorbing capacity of the absorber to be absorbed in the absorber at 25℃ under no load, is 5mL or less.

33. The absorbent product according to claim 32, wherein the re-wet amount is 2mL or less.

34. The absorbent product according to any one of claims 1 to 33,

wherein the absorber's absorbing capacity of sodium chloride solution of 0.9wt% is 300mL or more,

and when saline is added to be absorbed by the

absorber in the amount of 100mL each time in three separate additions under no load in every 10 minutes, an average re-wet amount after three additions is 5mL or less,

and the standard deviation of the re-wet amount is 3mL or less; and

when saline is added to be absorbed by the absorber in the amount of 100mL each time in three separate additions under a load of 0.1psi in every 10 minutes,

the mean absorption time of the three additions is 30 seconds or less,

and the standard deviation of the absorption time is 2 seconds or less.